

Mathematics and its Applications Seminar

Bounds on Enstrophy, Palinstrophy and Invariant measures of the 2-D Navier-Stokes equations

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Abstract: We derive bounds for the global attractor of the 2-D Navier-Stokes equations in the enstrophy-palinstrophy plane and estimate invariant measures of various regions in that plane. These results relate to intermittency as well as the direct cascade of enstrophy.

Wednesday, October 15 at 4:00 PM in SEO 636